## **Refine Search**

### Search Results -

Term	Documents
ASCIDIAN	263
ASCIDIANS	109
"3"	20166682
3S	48110
DOMAIN	319283
DOMAINS	138850
((ASCIDIAN ADJ "3" ADJ DOMAIN) AND 9).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1
(L9 AND ((ASCIDIAN ADJ 3) ADJ DOMAIN) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1

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### Search History

DATE: Friday, August 17, 2007 Purge Queries Printable Copy Create Case

Set Name side by side

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DB=PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND

L12L9 and ((ascidian adj 3) adj domain)1L12L11(inhibitory adj G) and (L9 or L3)1L11L10(Gi adj subunit) same (vector or polynucleotide or DNA)5L10

http://jupiter2:9000/bin/cgi-bin/PreSearch.pl

<u>L9</u>	L8 and (dominant adj negative)	53	<u>L9</u>
<u>L8</u>	L7 and L6	148	<u>L8</u>
<u>L7</u> .	(truncated or lacking) same (N-terminus or N-terminal)	11540	<u>L7</u> .
<u>L6</u>	L5 and (cDNA or vector)	1688	<u>L6</u>
<u>L5</u>	L4 same (inhibitor or suppressor or inhibit or suppresses)	5997	<u>L5</u>
<u>L4</u>	(L-type or L) same (channel)	246870	<u>L4</u>
<u>L3</u>	(kir/GEM)	10	<u>L3</u>
<u>L2</u>	L1 and (Kir/GEM)	1	<u>L2</u>
L1	Sharma-Vinod.in.	75	L1

## END OF SEARCH HISTORY



# PALM INTRANET

Day: Friday Date: 8/17/2007

Time: 09:43:59

# **Inventor Name Search**

Enter the **first few letters** of the Inventor's Last Name. Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	•	First Name	
Sharma	- macrosoli filo. Luni si dha arrosolika a mi ya u n <b>agi</b> tan shanasi	Vinod	Search

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Back to PALM | ASSIGNMENT | OASIS | Home page

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Welcome to DialogClassic Web(tm)
Dialog level 05.19.02D
Last logoff: 17aug07 09:10:11
Logon file1 17aug07 09:10:39
>>>PROFILE is in a suspended state.
>>>Contact Dialog Customer Services to re-activate it.
      1:ERIC 1965-2007/Jul
      (c) format only 2007 Dialog
   . Set Items Description
     Cost is in DialUnits
B 155, 73
      17aug07 09:10:51 User259876 Session D1033.1
           $0.42 0.119 DialUnits File1
    $0.42 Estimated cost File1
    $0.05 INTERNET
    $0.47 Estimated cost this search
    $0.47 Estimated total session cost
                                         0.119 DialUnits
SYSTEM:OS - DIALOG OneSearch
 File 155:MEDLINE(R) 1950-2007/Aug 15
        (c) format only 2007 Dialog
 File 73:EMBASE 1974-2007/Aug 16
        (c) 2007 Elsevier B.V.
     Set Items Description
     --- ----
?
S (KIR/GEM)
>>>Term "GEM" is not defined in one or more files
     S1 2271 (KIR/GEM)
S (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)
         436423 INHIBITORY
       1203997 G
        3352537 PROTEIN
         246323 SUBUNIT
            693 (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)
     S2
?
S (L-TYPE OR L) (S) (CHANNELS)
             0 L-TYPE
        1304199 L
         201475 CHANNELS
     S3 23733 (L-TYPE OR L) (S) (CHANNELS)
S S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS OR SUPPRESSES)
          23733 S3
         764506 INHIBITOR
         141965 SUPPRESSOR
         331441 ANTAGONIST
         211076 INHIBITS
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43307
                 SUPPRESSES
            6886 S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS
     S4
                 OR SUPPRESSES)
?
S (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)
          177825 TRUNCATED
          135518 LACKING
               0 N-TERMINAL
              0 N-TERMINUS
               0 (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)
       Items
Set
               Description
        2271 (KIR/GEM)
S1
S2
         693 (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)
S3
        23733 (L-TYPE OR L) (S) (CHANNELS)
S4
       6886
               S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS -
            OR SUPPRESSES)
S5
                (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)
?
S S4 AND (DOMINANT (W) NEGATIVE)
            6886 S4
          195990 DOMINANT
          841488 NEGATIVE
          31945 DOMINANT (W) NEGATIVE
      S6
             25 S4 AND (DOMINANT (W) NEGATIVE)
?
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        Items
              Description
Sl
         2271
               (KIR/GEM)
S2
         693 (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)
        23733
              (L-TYPE OR L) (S) (CHANNELS)
S3
               S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS -
            OR SUPPRESSES)
S5
                (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)
            0
S6
           25
               S4 AND (DOMINANT (W) NEGATIVE)
?
S (S1 OR S6) AND S2
            2271 S1
             25 S6
             693 S2
                 (S1 OR S6) AND S2
?
        Items Description
S1
         2271 (KIR/GEM)
S2
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               (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)
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            OR SUPPRESSES)
S5
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S6
           25
               S4 AND (DOMINANT (W) NEGATIVE)
S7
           0 (S1 OR S6) AND S2
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S (S1 OR S6) AND (ATRIOVENTRICULAR OR ARRHYTHMIA)
           2271 S1
             25 S6
          42196 ATRIOVENTRICULAR
          132882 ARRHYTHMIA
      S8
             17 (S1 OR S6) AND (ATRIOVENTRICULAR OR ARRHYTHMIA)
RD
      S9
             15 RD
                     (unique items)
S S9 AND (VECTOR)
             15
                 S9
          146115
                 VECTOR
              0 S9 AND (VECTOR)
     S10
?
T S9/3, K/ALL
              (Item 1 from file: 155)
  9/3, K/1
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2007 Dialog. All rts. reserv.
          PMID: 17449558
24131931
 Arrhythmia susceptibility and premature death in transgenic mice
overexpressing both SUR1 and Kir6.2[DeltaN30,K185Q] in the heart.
  Flagg Thomas P; Patton Brian; Masia Ricard; Mansfield Carrie; Lopatin
Anatoli N; Yamada Kathryn A; Nichols Colin G
  Department of Cell Biology and Physiology, Washington University School
    Medicine,
                     S. Euclid
                                    Avenue, St. Louis, MO 63110, USA.
               660
tflagg@cellbiology.wustl.edu
  American journal of physiology. Heart and circulatory physiology (United
         Jul 2007, 293 (1) pH836-45, ISSN 0363-6135--Print
States)
Journal Code: 100901228
  Publishing Model Print-Electronic
  Document type: Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: In Process
   Arrhythmia susceptibility and premature death in transgenic mice
 overexpressing both SUR1 and Kir6.2[DeltaN30,K185Q...
  ... a series of transgenic (TG) mice overexpressing an ATP-insensitive
         rectifying K(+)
                               channel protein ( Kir )6.2
(Kir6.2[DeltaN30,K185Q]) or the accessory sulfonylurea receptor (SUR)2A
(FLAG...
...2 [DeltaN30,K185Q] and FLAG-SUR2A at high levels exhibit neither impaired
survival nor increased arrhythmia
                                     frequency, even with both subunits
expressed at high levels. In demonstrating the profound arrhythmic
consequences...
  9/3,K/2
              (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
```

PMID: 17293496

24038030

(c) format only 2007 Dialog. All rts. reserv.

Losartan prevents stretch-induced electrical remodeling in cultured atrial neonatal myocytes.

Saygili Erol; Rana Obaida R; Saygili Esra; Reuter Hannes; Frank Konrad; Schwinger Robert H G; Muller-Ehmsen Jochen; Zobel Carsten

Laboratory of Muscle Research and Molecular Cardiology, Department of Internal Medicine III, University of Cologne, Kerpenerstr. 62, 50924 Cologne, Germany.

American journal of physiology. Heart and circulatory physiology (United States) Jun 2007, 292 (6) pH2898-905, ISSN 0363-6135--Print Journal Code: 100901228

Publishing Model Print-Electronic

Document type: Journal Article; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed.

Atrial fibrillation (AF) is the most frequent arrhythmia found in clinical practice. In recent studies, a decrease in the development or recurrence of...

...expression, indicating hypertrophy. Expression of genes encoding for the inward rectifier K(+) current (I(K1)), Kir 2.1, and Kir 2.3, as well as the gene encoding for the ultrarapid delayed rectifier K(+) current...

9/3,K/3 (Item 3 from file: 155)

DIALOG(R) File 155: MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

22931799 PMID: 17095564

Up-regulation of the inward rectifier K+ current (I K1) in the mouse heart accelerates and stabilizes rotors.

Noujaim Sami F; Pandit Sandeep V; Berenfeld Omer; Vikstrom Karen; Cerrone Marina; Mironov Sergey; Zugermayr Michelle; Lopatin Anatoli N; Jalife Jose Institute for Cardiovascular Research and Department of Pharmacology, SUNY Upstate Medical University, Syracuse, NY 13210, USA.

Journal of physiology (England) Jan 1 2007, 578 (Pt 1) p315-26, ISSN 0022-3751--Print Journal Code: 0266262

Contract/Grant No.: P01 HL039707; HL; NHLBI; R01 HL060843; HL; NHLBI; R01 HL070074; HL; NHLBI; R01 HL69052; HL; NHLBI

Publishing Model Print-Electronic

Document type: In Vitro; Journal Article; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... fibrillation (VF). To test this hypothesis, we used a line of transgenic mice (TG) overexpressing Kir 2.1-green fluorescent protein (GFP) fusion protein in a cardiac-specific manner. Optical mapping...

; Animals; Arrhythmia --drug therapy--DT; Arrhythmia --physiopathology --PP; Atrial Fibrillation--physiopathology--PP; Atrial Flutter --physiopathology--PP; Cardiomegaly--physiopathology--PP; Computer Simulation...

9/3,K/4 (Item 4 from file: 155)

DIALOG(R) File 155: MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

16220573 PMID: 16617135

Inward rectifying potassium channels facilitate cell-to-cell communication in hamster retractor muscle feed arteries.

Jantzi Micaela C; Brett Suzanne E; Jackson William F; Corteling Randolph; Vigmond Edward J; Welsh Donald G

Smooth Muscle Research Group and the Department of Physiology and Biophysics, HM-86, Heritage Medical Research Bldg., 3330 Hospital Dr., NW, University of Calgary, Alberta, Canada, T2N-4N1.

American journal of physiology. Heart and circulatory physiology (United States) Sep 2006, 291 (3) pH1319-28, ISSN 0363-6135--Print Journal Code: 100901228

Contract/Grant No.: HL-32469; HL; NHLBI

Publishing Model Print-Electronic

Document type: Journal Article; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

This study examined whether inward rectifying K+ (KIR) channels facilitate cell-to-cell communication along skeletal muscle resistance arteries. With the use of feed arteries from the hamster retractor muscle, experiments examined whether KIR channels were functionally expressed and whether channel blockade attenuated the conduction of acetylcholine-induced vasodilation, an index of cell-to-cell communication. Consistent with KIR channel expression, this study observed the following: 1) a sustained Ba2+-sensitive, K+-induced dilation...

... local and conducted response to acetylcholine was attenuated, a finding consistent with a role for KIR in facilitating cell-to-cell communication. A computational model of vascular communication accurately predicted these...

...effect on the local or conducted vasodilatory response to acetylcholine. We conclude that smooth muscle KIR channels play a key role in facilitating cell-to-cell communication along skeletal muscle resistance...

; Acetylcholine--pharmacology--PD; Animals; Anti- Arrhythmia Agents --pharmacology--PD; Arteries--cytology--CY; Arteries--metabolism--ME; Barium--pharmacology--PD; Computer Simulation; Cricetinae...

Chemical Name: Anti- Arrhythmia Agents; Kir2.1 channel; Kir2.2 channel; Potassium Channels, Inwardly Rectifying; Glyburide; Acetylcholine; Barium

9/3,K/5 (Item 5 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

15221887 PMID: 15581370

Characterization of inward-rectifier K+ channel inhibition by antiarrhythmic piperazine.

Xu Yanping; Lu Zhe

Department of Physiology, University of Pennsylvania, 3700 Hamilton Walk, Philadelphia, Pennsylvania 19104, USA.

Biochemistry (United States) Dec 14 2004, 43 (49) p15577-83, ISSN 0006-2960--Print Journal Code: 0370623

Contract/Grant No.: GM61929; GM; NIGMS

Publishing Model Print

Document type: Comparative Study; Journal Article; Research Support, U.S. Gov't, P.H.S.

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Strong inward-rectifier K(+) ( Kir ) channels play a significant role in shaping the cardiac action potential: they help produce its...

Descriptors: \*Anti- Arrhythmia Agents--chemistry--CH; \*Piperazines --chemistry--CH; \*Potassium Channel Blockers--chemistry--CH; \*Potassium Channels, Inwardly Rectifying...

; Animals; Anti- Arrhythmia Agents--metabolism--ME; Extracellular Space --metabolism--ME; Humans; Mice; Mutagenesis, Site-Directed; Piperazines --metabolism--ME...

Chemical Name: Anti- Arrhythmia Agents; KCNJ1 protein, human; Kcnj1 protein, mouse; Piperazines; Potassium Channel Blockers; Potassium Channels; Potassium Channels...

9/3,K/6 (Item 6 from file: 155)

DIALOG(R) File 155: MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

15008700 PMID: 15269659

[Andersen syndrome: a particular form of paralysis with cardiac dysrhythmia]

Le syndrome d'Andersen: une forme particuliere de paralysie periodique avec dysrythmie cardiaque.

Pouget J; Philip N; Faugere G; Pellissier J F

Service de neurologie et maladies neuromusculaires, Hopital de La Timone, 264 rue Saint-Pierre, 13005 Marseille, France. jpouget@ap-hm.fr

Revue neurologique (France) May 2004, 160 (5 Pt 2) pS38-42, ISSN 0035-3787--Print Journal Code: 2984779R

Publishing Model Print

Document type: Case Reports; English Abstract; Journal Article

Languages: FRENCH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Andersen syndrome includes a clinical triad with periodic paralysis, cardiac arrhythmia and dysmorphic features most often mild but relevant. It is a potassium channelopathy due to mutation of KCJN2 gene coding for Kir 2.1 protein. We report a familial case with mutation R218W of Kir 2.1 and discuss the main phenotypic and genetic aspects of Andersen syndrome. Muscle manifestations...

... contractions, complex ventricular ectopy, polymorphic or bidirectional ventricular tachycardia. Imipramine had a positive effect on arrhythmia in our case. Dysmorphic features are often mild and have to be cautiously looked for...

... cardiac action potential repolarization. Several studies showed a dominant negative effect of the mutation on Kir 2.1 channel function.

Descriptors: \*Arrhythmia --physiopathology--PP; \*Glycogen Storage Disease Type IV--physiopathology--PP; \*Paralysis--physiopathology--PP

. 9/3,K/7 (Item 7 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

14742606 PMID: 14754422

Theoretical possibilities for the development of novel antiarrhythmic drugs.

Varro Andras; Biliczki Peter; Iost Norbert; Virag Laszlo; Hala Otto; Kovacs Peter; Matyus Peter; Papp Julius Gy

Department of Pharmacology & Pharmacotherapy, Albert Szent-Gyorgyi Medical Center, University of Szeged, Hungary. VARRO@PHCOL.SZOTE.U-SZEGED.H

Current medicinal chemistry (Netherlands) Jan 2004, 11 (1) p1-11, ISSN 0929-8673--Print Journal Code: 9440157

Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't; Review

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... no specific blockers for I(to) are currently available. Similarly, no specific inhibitors for the Kir 2.1, 2.2, 2.3 channels, which carry the inward rectifier potassium current (I...

... without similar effect in the ventricle. Therefore, AF could be terminated and torsades de pointes arrhythmia avoided. Several compounds were reported to inhibit I(Kur)(flecainide, tedisamil, perhexiline, quinidine, ambasilide, AVE...

Descriptors: \*Anti- Arrhythmia Agents--pharmacology--PD; \*Atrial Function--drug effects--DE; \*Potassium Channel Blockers--pharmacology--PD; \*Ventricular Function...

; Action Potentials--drug effects--DE; Anti- Arrhythmia Agents--adverse effects--AE; Atrial Function--physiology--PH; Biological Clocks--drug effects--DE; Delayed Rectifier...

Chemical Name: Anti- Arrhythmia Agents; Delayed Rectifier Potassium Channels; KCNA5 protein, human; Kvl.5 Potassium Channel; Potassium Channel Blockers...

9/3,K/8 (Item 8 from file: 155)

DIALOG(R) File 155: MEDLINE(R)

(c) format only 2007 Dialog. All rts. reserv.

11942221 PMID: 9769237

Terikalant, an inward-rectifier potassium channel blocker, does not abolish the cardioprotection induced by ischemic preconditioning in the rat.

Schultz J E; Kwok W M; Hsu A K; Gross G J

Department of Pharmacology and Toxicology, Medical College of Wisconsin, Milwaukee, WI, 53226, USA.

Journal of molecular and cellular cardiology (ENGLAND) Sep 1998, 30 (9) p1817-25, ISSN 0022-2828--Print Journal Code: 0262322

Contract/Grant No.: HL-08311; HL; NHLBI

Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... results have shown that the sulfonylurea receptor couples to several types of inward-rectifier potassium (KIR) channels, which suggests that sensitivity to blockade of a pathophysiological phenomenon such as ischemic preconditioning...

... the ATP-sensitive potassium (KATP) channel. Therefore, to address this possibility, a role for myocardial KIR v KATP channels in ischemic PC was evaluated in the rat. To test this hypothesis...

DialogClassic Web(tm) ... channel blocker, was used to test the role of other K+ channels, most notably the KIR , in the cardioprotective effect of ischemic PC in the rat. TK was given at a... ... that although the myocardial KATP channel belongs to the K IR superfamily, the endogenous myocardial KIR channel does not mediate ischemic PC in the rat heart; however, the K ATP channel... \*Anti- Arrhythmia Agents--pharmacology--PD; \*Chromans Descriptors: \*Heart--physiology--PH; \*Ischemic Preconditioning, --pharmacology--PD; Myocardial; \*Piperidines--pharmacology--PD... Name: ATP-Binding Cassette Transporters; Anti- Arrhythmia Agents; Chromans; Piperidines; Potassium Channels; Potassium Channels, Inwardly Rectifying; uK-ATP-1 potassium channel; terikalant (Item 1 from file: 73) 9/3, K/9DIALOG(R) File 73: EMBASE (c) 2007 Elsevier B.V. All rts. reserv. 14558132 EMBASE No: 2007312496 Potassium channel diversity in the pulmonary arteries and pulmonary veins: Implications for regulation of the pulmonary vasculature in health and during pulmonary hypertension Bonnet S.; Archer S.L. S.L. Archer, Department of Medicine, University of Chicago, S. Maryland Avenue, Chicago, IL United States AUTHOR EMAIL: sarcher@medicine.bsd.uchicago.edu Pharmacology and Therapeutics (PHARMACOL. THER.) (United States) 115/1 (56-69) ISSN: 0163-7258 CODEN: PHTHD PUBLISHER ITEM IDENTIFIER: S0163725807000769 DOCUMENT TYPE: Journal; Review LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH NUMBER OF REFERENCES: 103 ...SMC) express several KSUP+ channel families, including

...SMC) express several KSUP+ channel families, including calcium-sensitive (KCa), voltage-gated (KSUBv), inward rectifier (Kir), and 2-pore channels. Diversity is created by heterogeneous occurrence of alternatively spliced, mRNA species...

...cardiomyocytes encompasses a media of typical vascular SMCs. PV cardiomyocytes have rhythmic contraction and their Kir -enriched channels may be relevant to genesis of atrial arrhythmias and pulmonary edema. KSUBv channel...

#### MEDICAL DESCRIPTORS:

RNA splicing; alpha chain; apoptosis; beta chain; blood vessel tone; cell proliferation; cytosol; heart arrhythmia; heart muscle cell; human; hypoxia; hypoxic lung vasoconstriction; lung blood vessel; lung circulation; lung edema...

9/3,K/10 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2007 Elsevier B.V. All rts. reserv.

13912329 EMBASE No: 2006330466

Syntaxin-1A actions on sulfonylurea receptor 2A can block acidic pH-induced cardiac KSUBATP channel activation

Kang Y.; Ng B.; Leung Y.-M.; He Y.; Xie H.; Lodwick D.; Norman R.I.; Tinker A.; Tsushima R.G.; Gaisano H.Y. H.Y. Gaisano, Medical Science Building, University of Toronto, Toronto, Ont. M5S 1A8 Canada

AUTHOR EMAIL: herbert.gaisano@utoronto.ca

Journal of Biological Chemistry ( J. BIOL. CHEM. ) (United States) 14 JUL 2006, 281/28 (19019-19028)

CODEN: JBCHA ISSN: 0021-9258 eISSN: 1083-351X

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 40

...to SUR2A by acidic pH was further regulated by MgSUP2+ and ATP. Therefore, pH regulates Kir .6.2/SUR2A channels not only by its direct actions on the Kir6.2 subunit...
MEDICAL DESCRIPTORS:

...site; potassium current; cell strain HEK293; cytoplasm; carboxy terminal sequence; protein domain; protein binding; heart arrhythmia; membrane fusion; binding affinity; nonhuman; male; rat; controlled study; animal tissue; article; priority journal

9/3,K/11 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2007 Elsevier B.V. All rts. reserv.

12674062 EMBASE No: 2004264012

Andersen syndrome: A particular form of periodic paralysis with cardiac dysrythmia

LE SYNDROME D'ANDERSEN: UNE FORME PARTICULIERE DE PARALYSIE PERIODIQUE AVEC DYSRYTHMIE CARDIAQUE

Pouget J.; Philip N.; Faugere G.; Pellissier J.F.

J. Pouget, Serv. de Neurol./Malad. Neuromusc., Hopital de La Timone, 264 rue Saint-Pierre, 13005 Marseille France

AUTHOR EMAIL: jpouget@ap-hm.fr

Revue Neurologique ( REV. NEUROL. ) (France) 2004, 160/5 II (4S38-4S42)

CODEN: RENEA ISSN: 0035-3787

DOCUMENT TYPE: Journal ; Conference Paper

LANGUAGE: FRENCH SUMMARY LANGUAGE: ENGLISH; FRENCH

NUMBER OF REFERENCES: 12

Andersen syndrome includes a clinical triad with periodic paralysis, cardiac arrhythmia and dysmorphic features most often mild but relevant. It is a potassium channelopathy due to mutation of KCJN2 gene coding for Kir 2.1 protein. We report a familial case with mutation R218W of Kir 2.1 and discuss the main phenotypic and genetic aspects of Andersen syndrome. Muscle manifestations...

...contractions, complex ventricular ectopy, polymorphic or bidirectional ventricular tachycardia. Imipramine had a positive effect on arrhythmia in our case. Dysmorphic features are often mild and have to be cautiously looked for...

MEDICAL DESCRIPTORS:

glycogen storage disease type 4; periodic paralysis; heart arrhythmia --drug therapy--dt; face dysmorphia; gene mutation; genetic code; phenotype; clinical feature; muscle biopsy; disease...

9/3,K/12 (Item 4 from file: 73)
DIALOG(R)File 73:EMBASE
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12376192 EMBASE No: 2003472532

# Toward an Understanding of the Molecular Mechanisms of Ventricular Fibrillation

Jalife J.; Anumonwo J.M.B.; Berenfeld O.

Dr. J. Jalife, Department of Pharmacology, SUNY Upstate Medical University, 766 Irving Avenue, Syracuse, NY 13210 United States

AUTHOR EMAIL: jalifej@upstate.edu

Journal of Interventional Cardiac Electrophysiology ( J. INTERVENT. CARD.

ELECTROPHYSIOL. ) (Netherlands) 2003, 9/2 (119-129)

CODEN: JICEF ISSN: 1383-875X

DOCUMENT TYPE: Journal ; Conference Paper LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 81

#### MEDICAL DESCRIPTORS:

molecular biology; reentry arrhythmia --etiology--et; heart conduction; membrane channel; isolated heart; guinea pig; heart left ventricle; heart right...

DRUG TERMS (UNCONTROLLED): kir protein--endogenous compound--ec

#### 9/3,K/13 (Item 5 from file: 73)

DIALOG(R)File 73:EMBASE

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11645525 EMBASE No: 2002217175

A glutamate residue at the C terminus regulates activity of inward rectifier KSUP+ channels: Implication for Andersen's syndrome

Chen L.; Kawano T.; Bajic S.; Kaziro Y.; Itoh H.; Art J.J.; Nakajima Y.; Nakajima S.

S. Nakajima, Department of Pharmacology (mc 868), College of Medicine, University of Illinois, Chicago, IL 60612-7343 United States

AUTHOR EMAIL: shign@uic.edu

Proceedings of the National Academy of Sciences of the United States of America ( PROC. NATL. ACAD. SCI. U. S. A. ) (United States) 11 JUN 2002 99/12 (8430-8435)

CODEN: PNASA ISSN: 0027-8424 DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 27

...the channel activation. This glutamate (or aspartate) residue is conserved in all members of the Kir family. Substitution of alanine for the glutamate on GIRK1, GIRK2, and IRK2, expressed in HEK293...
MEDICAL DESCRIPTORS:

\*potassium channel; \*heart arrhythmia --etiology--et; \*periodic paralysis --etiology--et

#### 9/3,K/14 (Item 6 from file: 73)

DIALOG(R)File 73:EMBASE

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11218285 EMBASE No: 2001232967

The consequences of disrupting cardiac in wardly rectifying KSUP+ current (ISUBK1) as revealed by the targeted deletion of the murine Kir2.1 and Kir2.2 genes

Zaritsky J.J.; Redell J.B.; Tempel B.L.; Schwarz T.L.

T.L. Schwarz, Division of Neuroscience, Children's Hospital, 300 Longwood Avenue, Boston, MA 02115 United States

AUTHOR EMAIL: thomas.schwarz@tch.harvard.edu

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Journal of Physiology ( J. PHYSIOL. ) (United Kingdom)
                                                           15 JUN 2001,
  533/3 (697-710)
 CODEN: JPHYA
                 ISSN: 0022-3751
 DOCUMENT TYPE: Journal ; Article
 LANGUAGE: ENGLISH
                      SUMMARY LANGUAGE: ENGLISH
 NUMBER OF REFERENCES: 51
MEDICAL DESCRIPTORS:
...palate--etiology--et; death; birth; intracellular recording; ion current
; mutation; action potential; electrocardiogram; extrasystole; reentry
arrhythmia --diagnosis--di; reentry arrhythmia --etiology--et; heart
automaticity; cell mutant; sinus rhythm; heart pacing; bradycardia;
phenotype; nonhuman; mouse; animal...
DRUG TERMS (UNCONTROLLED): Kir 2.1 protein--endogenous compound--ec;
 2.2 protein--endogenous compound--ec
  9/3,K/15
               (Item 7 from file: 73)
DIALOG(R) File 73: EMBASE
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10725809
             EMBASE No: 2000132732
Direct block of inward rectifier potassium channels by nicotine
  Wang H.; Yang B.; Zhang L.; Xu D.; Wang Z.
 H. Wang, Research Center, Montreal Heart Institute, Montreal, Que. HIT
  1C8 Canada
  Toxicology and Applied Pharmacology ( TOXICOL. APPL. PHARMACOL. ) (United
  States) 01 APR 2000, 164/1 (97-101)
  CODEN: TXAPA
                 ISSN: 0041-008X
  DOCUMENT TYPE: Journal; Article
                      SUMMARY LANGUAGE: ENGLISH
  LANGUAGE: ENGLISH
  NUMBER OF REFERENCES: 42
  ...1 muM) all failed to restore the depressed currents, suggesting that
nicotine acted directly on Kir channels, independent of catecholamine
release. This property of nicotine may explain its membrane-depolarizing
and...
MEDICAL DESCRIPTORS:
*potassium channel; *heart arrhythmia
?
        Items
                Description
Set
         2271
                (KIR/GEM)
S1
          693
                (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)
S2
                (L-TYPE OR L) (S) (CHANNELS)
S3
        23733
S4
         6886
                S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS -
             OR SUPPRESSES)
S5
            0
                (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)
                S4 AND (DOMINANT (W) NEGATIVE)
S6
           25
                (S1 OR S6) AND S2
S7
           0
                (S1 OR S6) AND (ATRIOVENTRICULAR OR ARRHYTHMIA)
S8
           17
           15
                    (unique items)
S9
                RD
            0
                S9 AND (VECTOR)
S10
S (CAV1.2)
     S11
                  (CAV1.2)
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Description
Set
        Items
         2271
S1
               (KIR/GEM)
S2
         693
                (INHIBITORY (W) G) (W) (PROTEIN OR SUBUNIT)
                (L-TYPE OR L) (S) (CHANNELS)
S3
        23733
        6886
S4
               S3 (S) (INHIBITOR OR SUPPRESSOR OR ANTAGONIST OR INHIBITS
            OR SUPPRESSES)
S5
           0
                (TRUNCATED OR LACKING) (S) (N-TERMINAL OR N-TERMINUS)
S6
          25
               S4 AND (DOMINANT (W) NEGATIVE)
S7
          0
                (S1 OR S6) AND S2
S8
          17
               (S1 OR S6) AND (ATRIOVENTRICULAR OR ARRHYTHMIA)
S9
          15
               RD (unique items)
S10
          0
               S9 AND (VECTOR)
S11
           0
               (CAV1.2)
?
COST
       17aug07 09:17:53 User259876 Session D1033.2
          $3.88
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              $1.76 8 Type(s) in Format 3
           $1.76 8 Types
     $5.64 Estimated cost File155
          $16.97
                    1.426 DialUnits File73
              $23.10 7 Type(s) in Format 3
           $23.10 7 Types
    $40.07 Estimated cost File73
           OneSearch, 2 files, 2.567 DialUnits FileOS
     $2.13 INTERNET
    $47.84 Estimated cost this search
    $48.31 Estimated total session cost 2.687 DialUnits
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